



CX-SP Magnet



Downhole operations often result in the generation of ferrous debris which remains in the wellbore. Failure to remove this can cause costly damage to completions and surface equipment, resulting in considerable non-productive time.

The CX-SP Magnet is a string magnet which can be run during wellbore clean-up, drilling, fishing, milling and completion operations when the removal of ferrous debris is required.

Each tool has a minimum of 10 magnet strips specially aligned on the body to provide the maximum surface catchment area. The CX-SP Magnet continually captures ferrous materials from well fluids from the moment it passes the rotary table until it is recovered back to surface providing an efficient solution to this costly problem.

BENEFITS

- Easily field redressable for efficiency and maintenance
- Bristles are helically aligned to provide 360°C coverage against the casing ID while maximising fluid bypass
- High strength, temperature resistant magnet strips
- Carrying capacity of 39 kgs
- A full range of sizes are available

APPLICATIONS

- Drilling
- Fishing
- Milling
- Completions



SPECIFICATIONS

	4½" SP Magnet	5"-5½" SP Magnet	6¾" SP Magnet	7" to 7½" SP Magnet
Magnet Sleeve OD	3.125"	3.750"	4.500"	5.250"
Body Minimum ID	1.000"	1.25"	1.50"	2.00"
Fishing Neck Length	15.0"	13.0"	24"	19.5"
Fishing Neck OD	3.125"	3.125"	3.125"	5.000"
Number of Magnet Strips	10	10	10	12
Tool Overall Length (in)	80.0"	80.6"	108.0"	90.5"
Tool Connection Specifications*				
Rig Connection Type	2¾" HT PAC	2¾" REG	2¾" HT PAC*	NC38
Torsional Yield Strength (ft/lbs)	8,500	5,425	8,500	11,800
Max. Recommended Make-up Torque (ft/lbs)	5,100	3,255	5,100	9,100
Tensile Strength (lbs)	266,300	267,240	266,300	580,000
Max Run Speed (ft/min)	150	150	150	150
Max Rotating Speed (rpm)	60	60	60	120
Max Compression when Rotating (lbs)	5,000	5,000	5,000	40,000
Max Pressure Test (psi)	10,000	10,000	10,000	10,000
Internal TFA (in²)	0.785	1.23	1.77	3.14
External TFA (in²)	5.47 Max. 3.83 Min.	7.75 Max. 3.32 Min.	10.43 Max. 8.95 Min.	16.50 Max. 6.66 Min.

	9½" SP Magnet	10¾" to 11¾" SP Magnet	13¾" SP Magnet
Magnet Sleeve OD	6.500"	7.500"	10.000"
Body Minimum ID	3.00"	3.00"	3.00"
Fishing Neck Length	21.0"	20.5"	19.5"
Fishing Neck OD	6.500"	7.500"	6.500"
Number of Magnet Strips	16	16	20
Tool Overall Length (in)	90.5"	90.5"	92.5"
Tool Connection Specifications*			
Rig Connection Type	NC50	NC50	NC50
Torsional Yield Strength (ft/lbs)	51,700	51,700	51,700
Max. Recommended Make-up Torque (ft/lbs)	27,000	27,000	27,000
Tensile Strength (lbs)	944,000	944,000	944,000
Max Run Speed (ft/min)	150	150	150
Max Rotating Speed (rpm)	120	120	120
Max Compression when Rotating (lbs)	40,000	40,000	40,000
Max Pressure Test (psi)	10,000	10,000	10,000
Internal TFA (in²)	7.07	7.07	7.07
External TFA (in²)	29.30 Max. 22.70 Min.	48.80 Max. 21.66 Min.	44.50 Max. 36.93 Min.

*Other connections available on request.